

Abstract

Provided is a catalyst for adding a glycidyl ether to an active hydrogen-containing organic compound, comprising a complex oxide of magnesium and at least one element other than magnesium selected from the group consisting of the elements in the third period and the fourth period in the periodic table. Also provided is a process for producing a glycidyl ether adduct, which comprises subjecting an active hydrogen-containing organic compound and a glycidyl ether to an addition reaction in the presence of the above-mentioned catalyst.

In the addition reaction between the active hydrogen-containing organic compound and the glycidyl ether, use of the catalyst of the present invention enables inhibition of an excess addition reaction of the glycidyl ether which is a successive reaction, and a mono- or di-(alkyl, alkenyl or phenyl) ether product in which one or two glycidyl ethers are added is selectively produced by adjusting the mole ratio of the active hydrogen-containing organic compound to the glycidyl ether to a specific range. Accordingly, the mono- or di-(alkyl, alkenyl or phenyl) ether product can be obtained at a high productivity with a high purity.